

ABSTRACT OF THE DISCLOSURE

A method of preparing an ionic conducting gel in solid form, known as ionogel. The method includes a step of mixing an ionic liquid with at least one molecular precursor containing at least one hydrolyzable group, if necessary in the presence of an acid, such as a carboxylic acid. The mixture is subsequently left to stand for one or more days until a gel is formed by polycondensation of the molecular precursor(s). The gel contains the aforementioned ionic liquid and can be set, in particular in transparent monolithic solid form.